

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-9 (Canceled)

Claim 10 **(Currently Amended)**: A motor comprising a cooling medium flow path to which magnetic members are provided, the magnetic members generating a magnetic force in a direction substantially perpendicular to the flow direction, wherein the magnetic flux density at the center of the flow path is set at 2,000 to 5,000 gaussses, and wherein far-infrared ray-generating members are provided in conjunction with the magnetic members, the wavelength of the far-infrared ray generated by the far-infrared ray-generating members being within $\pm 10\%$ of $1/N$ of a wavelength at which molecules undergo resonance reaction, wherein N is a natural number.

Claims 11-12 **(Canceled)**

Claim 13 **(Currently amended)**: The motor according to Claim 10, wherein the magnetic members are arranged in such a manner that mutually identical magnetic poles are juxtaposed or mutually different magnetic poles are alternately juxtaposed at a portion where the members are in the region of the medium flow path, around a pipe in which the cooling medium flows ~~in contact with the medium flow path.~~

Claim 14 **(Previously Presented)**: The motor according to Claim 10, wherein the medium flow path is a bundled combination of a pathway through which a cooling medium passes together with a pathway through which a medium as a fuel passes, and further comprises magnetic members provided thereto, the magnetic members generating a magnetic force in a direction substantially perpendicular to the flow direction in each pathway.

Claim 15 **(Previously Presented)**: The motor according to Claim 10, which is used for an automobile.

Claim 16 **(Previously Presented)**: The motor according to Claim 10, which is liquid-cooled.

Claims 17-24 **(Canceled)**

Claim 25 **(Currently Amended)**: A medium flow path comprising magnetic members, the magnetic members generating a magnetic force in a direction substantially perpendicular to the flow direction ~~in relation to the medium flow path are provided,~~ wherein the magnetic flux density at the center of the flow path is set at 2,000 to 5,000 gaussses, and wherein far-infrared ray-generating members are provided in conjunction with the magnetic members, the wavelength of the far-infrared ray generated by the far-infrared ray-generating members being within $\pm 10\%$ of $1/N$ of a wavelength at which molecules undergo resonance reaction, wherein N is a natural number.

Claims 26-27 **(Canceled)**

Claim 28 **(Currently amended)**: The medium flow path according to Claim 25, wherein the magnetic members are arranged in such a manner that mutually identical magnetic poles are juxtaposed or mutually different magnetic poles are alternately juxtaposed at a portion where the members are in the region of the medium flow path, around a pipe in which the cooling medium flows ~~in contact with the medium flow path.~~

Claim 29 **(Previously Presented)**: The medium flow path according to Claim 25, wherein the medium flow path is a bundled combination of a pathway through which a cooling medium passes together with a pathway through which a medium as a fuel passes, and further comprises magnetic members provided thereto, the magnetic members generating a magnetic force in a direction substantially perpendicular to the flow direction in each pathway.

Claim 30 **(Cancelled)**

Claim 31 **(New)**: The motor according to Claim 10, wherein far-infrared radiation-generating substances of the far-infrared ray-generating members include tourmaline, black silica, zeolite, talc, ceramics in general and substances containing SiO₂ in part of their compositions.

Claim 32 **(New)**: The motor according to Claim 10, wherein the cooling medium flow path is connected to a pump.

Claim 33 **(New)**: The motor according to Claim 10, wherein the wavelength of the far-infrared ray is 5 to 25 micrometers.

Claim 34 **(New)**: The motor according to Claim 10, wherein the wavelength of the far-infrared ray is 6 to 18 micrometers.

Claim 35 **(New)**: The motor according to Claim 10, wherein the wavelength of the far-infrared ray is 8 to 14 micrometers.

Claim 36 **(New)**: The medium flow path according to Claim 25, wherein far-infrared radiation-generating substances of the far-

infrared ray-generating members include tourmaline, black silica, zeolite, talc, ceramics in general and substances containing SiO₂ in part of their compositions.

Claim 37 **(New)**: The medium flow path according to Claim 25, to which a pump is connected.

Claim 38 **(New)**: The medium flow path according to Claim 25, wherein the wavelength of the far-infrared ray is 5 to 25 micrometers.

Claim 39 **(New)**: The medium flow path according to Claim 25, wherein the wavelength of the far-infrared ray is 6 to 18 micrometers.

Claim 40 **(New)**: The medium flow path according to Claim 25, wherein the wavelength of the far-infrared ray is 8 to 14 micrometers.

Claim 41 **(New)**: A motor comprising a cooling medium flow path to which magnetic members are provided, the magnetic members generating a magnetic force in a direction substantially perpendicular to the flow direction, wherein the magnetic flux density at the center of the flow path is set at 2,000 to 5,000 gaussses, and wherein the medium flow path is a bundled combination of a pathway through which a cooling medium passes together with a pathway through which a medium as a fuel passes, and further comprises magnetic members provided thereto, the magnetic members generating a magnetic force in a direction substantially perpendicular to the flow direction in each pathway.

Claim 42 **(New)**: The motor according to Claim 41, wherein far-infrared ray-generating members are provided in conjunction with the magnetic members.

Claim 43 **(New)**: The motor according to Claim 42, wherein the wavelength of the far-infrared ray generated by the far-infrared ray-generating members is within $\pm 10\%$ of $1/N$ of a wavelength at

which molecules undergo resonance reaction, wherein N is a natural number.

Claim 44 **(New)**: The motor according to Claim 41, wherein the magnetic members are arranged in such a manner that mutually identical magnetic poles are juxtaposed or mutually different magnetic poles are alternately juxtaposed at a portion where the members are in the region of the medium flow path, around a pipe in which the cooling medium flows.

Claim 45 **(New)**: The motor according to Claim 41, which is used for an automobile.

Claim 46 **(New)**: The motor according to Claim 41, which is liquid-cooled.

Claim 47 **(New)**: The motor according to Claim 41, wherein the cooling medium flow path is connected to a pump.

Claim 48 **(New)**: The motor according to Claim 43, wherein the wavelength of the far-infrared ray is 5 to 25 micrometers.

Claim 49 **(New)**: The motor according to Claim 43, wherein the wavelength of the far-infrared ray is 6 to 18 micrometers.

Claim 50 **(New)**: The motor according to Claim 43, wherein the wavelength of the far-infrared ray is 8 to 14 micrometers.

Claim 51 **(New)**: A medium flow path comprising magnetic members, the magnetic members generating a magnetic force in a direction substantially perpendicular to the flow direction, wherein the magnetic flux density at the center of the flow path is set at 2,000 to 5,000 gaussses, and wherein the medium flow path is a bundled combination of a pathway through which a cooling medium passes together with a pathway through which a medium as a fuel passes, and further comprises magnetic members provided thereto, the magnetic members generating a magnetic force in a direction substantially perpendicular to the flow direction in each pathway.

Claim 52 **(New)**: The medium flow path according to Claim 51, wherein far-infrared ray-generating members are provided in conjunction with the magnetic members.

Claim 53 **(New)**: The medium flow path according to Claim 52, wherein the wavelength of the far-infrared ray generated by the far-infrared ray-generating members is within $\pm 10\%$ of $1/N$ of a wavelength at which molecules undergo resonance reaction, wherein N is a natural number.

Claim 54 **(New)**: The medium flow path according to Claim 51, wherein the magnetic members are arranged in such a manner that mutually identical magnetic poles are juxtaposed or mutually different magnetic poles are alternately juxtaposed at a portion where the members are in the region of the medium flow path, around a pipe in which the cooling medium flows.

Claim 55 **(New)**: The medium flow path according to Claim 51, to which a pump is connected.

Appl. No. 10/563,904
Reply to Office Action of April 22, 2008

Claim 56 **(New)**: The motor according to Claim 53, wherein the wavelength of the far-infrared ray is 5 to 25 micrometers.

Claim 57 **(New)**: The motor according to Claim 53, wherein the wavelength of the far-infrared ray is 6 to 18 micrometers.

Claim 58 **(New)**: The motor according to Claim 53, wherein the wavelength of the far-infrared ray is 8 to 14 micrometers.